

THE Y-12 BULLETIN

A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF CARBIDE AND CARBON CHEMICALS DIVISION

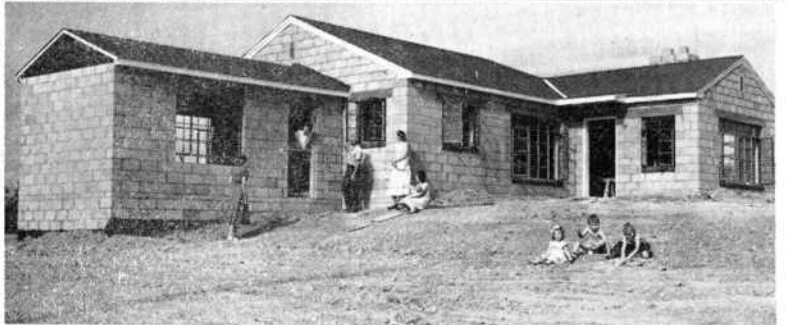
Union Carbide And Carbon Corporation

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OAK RIDGE, TENNESSEE

5-9828

Wednesday, January 11, 1950



Y-12 Photos By Vince Moore

GREATLY THROUGH THEIR OWN EFFORTS DID THREE Y-12ers build their own homes, shown above. At left above is the finished house of W. R. Duff, Electrical Research Laboratory, with the folks in front being George Carter, Maintenance Shops; Duff, Mrs. Carter and Mrs. Duff. The Carter home, shown immediately below, is adjacent to the Duff residence and was pictured during course of construction in which Duff and Carter pitched in to help each other. From left in the photograph are Mrs. Duff, Mrs. Carter, Carter, Mrs. Frank Fuis, wife of Frank Fuis, of Plant Engineering and a friend of the two families; Mrs. Carl Green, wife of another Y-12er in Isotope Research and Production and another friend while the youngsters are those of Mrs. Fuis and Mrs. Green. The picture at the upper right is the home of W. H. Rice, Plant Engineering, just a short distance away from the Duffs and Carters with the folks shown being T. C. Underwood, Maintenance Shops, another family friend; Rice, Duff, Mrs. Carter, Mrs. Duff, Carter and Mrs. H. H. Rice, mother of Rice. More pictures on Page Four.

March 15 Deadline For Income Tax Returns; W-2 Forms Out This Week; Advice Available

With Y-12 employees on the weekly and hourly payrolls receiving their W-2 Withholding Tax statements this week and monthly paid employees getting their W-2 forms by mail, it is pointed out that all income tax returns on 1949 income must be mailed to the Collector of Internal Revenue, Nashville, Tenn., before midnight March 15.

The W-2 Withholding statements give the earnings of the employee and income tax deductions made by the Company during 1949. The W-2 forms do not show the Company contributions to the Carbide Savings Plan checks delivered last July and in filling out income tax returns employees must add the amount of the Company's contribution to the other income reported and pay whatever tax is due. The Company contribution to the Savings Plan checks was given in Column No. 5 of the check stub, which all employees were urged to retain at the time the checks were delivered.

Hamrick Will Give Assistance

Assistance to Y-12ers desiring it in filling out income tax returns again will be available this year. Pat Hamrick, of the Employment Department, again will provide this assistance and can be reached at his office, Room 10, North Portal, from 8 a.m. to 4:30 p.m., Mondays through Fridays.

Such assistance as Hamrick can give, it is stressed, will be limited to advice on the more simple tax problems and that if employees have any questions involving technical or legal questions they should consult an authority on income taxes. It also is stressed that the Company cannot be responsible for advice on any tax matters that might prove controversial.

Perfect Attendance Reported By Guards

The string of successive weeks with perfect attendance marks by the Electrical Maintenance Department was broken at three for the period ending January 1 and the top position in the Major League of departments with more than 50 members was taken over by the Guard Department which in turn reported "all present" for that week. Electrical Maintenance dropped down to second place but yet only had an absentee figure of .029 per cent while in third place was the Analytical Laboratory, close behind with only .032 per cent.

(Continued On Page 2)

SAFETY SCOREBOARD

Your Plant Has
Operated
201 DAYS
Without A Lost Time
Accident
THROUGH JAN. 8



Three Y-12ers Do Most Of Work In Building Their Own Homes; Help Each Other In Tasks

Nestled close together near the rapidly-growing Karns community, just about half-way between Oak Ridge and Knoxville, are three sleek, new homes. There are many other attractive dwellings in the vicinity but probably none of the residents in this neat little neighborhood have more pride in their property or have devoted as much enthusiastic and personal attention to the development of their homes as the occupants of these three particular houses.

The reason for this pride? Well, it is only natural for the three owners—all Y-12ers—to have a fine feeling of satisfaction over the completion of their homes into which they contributed a great majority of actual construction work. A lot of it was tiresome and tended to produce many backaches—and some headaches to boot.

Lots Of Hard Work Involved

The three Y-12ers are W. H. Rice, Plant Engineering Department; W. R. Duff, Electrical Research Laboratory; and George Carter, Maintenance Shops. Into their actual manual labor—and there was a lot of it—they poured the craftsmanship and skill learned through practicing their line of work and hobbies over a period of years. Rice is an architectural draftsman and the other two are machinists and all had a flare for design and the driving determination to carry their projects through to completion.

Rice was the first of the three to actually get work underway. He bought two acres of land back in May, 1948, then had the foundation for his home laid by July of that year. However, construction was suspended for about a year but was resumed last spring and the house completed by late autumn to be occupied by Mr. and Mrs. Rice.

Built Floors And Basement

"I started to lay my own blocks for the house, but the job was a little too big," Rice says, "so I had the blocks erected and shell of the house constructed by some one else. However, when the house got that far along I did all my own finishing of the inside and laid the

(Continued on Page 4)

Dr. Pollard Will Address Physics Seminar On Friday

Dr. William G. Pollard, of the Oak Ridge Institute of Nuclear Studies, will be the principal speaker at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, December 13. His topic will be "The Diffusion Process For Isotope Separation."

All Y-12 scientists interested in the subject are urged to attend the seminar session. Y-12 representatives will address the seminar from time to time and last week Dr. C. P. Keim, of the Y-12 Isotope Research and Production Department, led the meeting.

ACS To Hear Boyd; Susano Set For Talk

The East Tennessee Section of the American Chemical Society will open its 1950 program with a meeting in Oak Ridge next Monday night, January 16. Dr. George W. Boyd, associate director of the Chemistry Division of the Oak Ridge National Laboratory, will speak at 8 o'clock at the Oak Terrace Restaurant with the talk being preceded by a dinner at 6:30 o'clock.

Brady Provides Reservations

All Y-12 members of the organization wishing to attend the dinner meeting are urged to make reservations in advance from L. J. Brady, Bldg. 9733-2, telephone 7247. Brady is the Y-12 representative on the arrangements committee of the group.

Following the section meeting Monday night, the Analytical Group of the East Tennessee Section will meet on the following Monday night, January 23. C. D. Susano, of Y-12, will speak at 7:45 o'clock on the "Professional Status of the Analytical Chemist." The address will be preceded by a business meeting at 7:30 o'clock for organization and election of officers. The gathering will be held in Room 20, Oak Ridge Institute of Nuclear Studies.

Barton Heads Analytical Group

Dr. C. J. Barton, also of Y-12, has recently been appointed chair-

(Continued On Page 2)

Steam Plant In Y-12 Gets Natural Gas

Natural gas replaced coal as fuel for one of the two steam plants in Y-12 last week with preliminary tests being made at Steam Plant No. 2, Bldg. 9401-2 beginning last Thursday afternoon. The natural gas, piped to Oak Ridge from Greentown, Tenn., 25 miles west of Nashville, also is being used at the big steam power plant at K-25 and is expected to be utilized soon at the Oak Ridge National Laboratory.

Burner For Each Boiler

In the Y-12 Steam Plant No. 2 are six huge boilers, each of which has its own gas burner. The gas burning equipment is of the most modern type for its purpose and has automatic controls, flame failure devices and other safety features.

When the converted steam plant is operating at capacity approximately 4,500,000 cubic feet of gas will flow daily through the Y-12 pipe line at a pressure of 100 pounds to the square inch. The gas is fed to the boilers under pressure of about 25 pounds to the square inch and the burners generate heat from 2,700 to 3,000 degrees Fahrenheit. This is ample to maintain the normal steam pressure of 165 pounds per square inch in the boilers.

Installation Began In August

Work of installing the burners and other equipment in Y-12 began last August under direction of the Maintenance Division. The pipe line was laid to the outside of the steam plant by the J. A. Jones Construction Co. while the lateral feeder lines to Y-12, K-25 and ORNL from the main line were laid by the Maxon Construction Co.

The natural gas flame in the Steam Plant No. 2 gives a more constant heat than does coal. However, the Steam Plant No. 1 will remain coal burning for the present to complement the service given by the No. 2 Plant.

Gas From Middle Tennessee

The natural gas is furnished by the East Tennessee Natural Gas Co. and flows from Middle Tennessee through 165 miles of pipe to Oak Ridge. Construction of this line grew out of the needs of the Atomic Energy Commission for an economical and dependable alternate source of fuel as a source of electric power for K-25.

(Continued On Page 2)



THE CARBIDE CAMERA CLUB WAS SCHEDULED TO install the above pictured officers at its meeting last night. They are, from left, Steve Hluchan, of Oak Ridge National Laboratory, vice president; Nat Stetson, of Y-12, president; and Nelson Van Wie, of K-25, secretary-treasurer. The club also held a black and white print contest and the results of the contest and prize winning prints will be published in The Y-12 Bulletin next week.

Y-12 Bulletin

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ACS To Hear Boyd; Susano Set For Talk

(Continued From Page 1)



Dr. George E. Boyd

man pro tem of the Analytical Group, which will be holding its first meeting January 23.

"Ion-Exchange, A New Technique in Chemistry," will be the topic of Dr. Boyd's address next Monday night. He has been engaged in various phases of the plutonium separation process research and development at ORNL for several years and has made an exhaustive study of the subject he will discuss.

Y-12ers On Committees

Four Y-12ers have been assigned to committees of the East Tennessee Section of the ACS for 1950. In addition to Brady on the arrangements committee, H. P. House has been named chairman of the membership committee, Roberta McCutcheon is on the publicity and radio committee and James W. Robinson is on the social committee.

Steam Plant In Y-12 Gets Natural Gas Fuel

(Continued From Page 1)

Work on the main gas line from Greenbrier to Oak Ridge began June 13, 1949. Construction over hills and valleys and under rivers continued steadily until the tube reached the Atomic City vicinity in December. The East Tennessee Gas Co. and the AEC have negotiated a contract for the purchase by the AEC of up to 66,000,000 cubic feet of natural gas for use by the Carbide facilities in Oak Ridge every day.

The Y-12 Steam Plant No. 2 with its new gas burners probably will be in full operation by the first of this week.

New Lab Building Set For Summer

The Oak Ridge National Laboratory is expected to have its new two-story laboratory building ready for occupancy by mid-summer as the Atomic Energy Commission has allowed 160 calendar days for completion of the project by the John A. Johnson and Sons, Inc., contractors. The Johnson firm, of Oak Ridge, submitted the low bid of \$347,769 for the structure.

Company Acquires Tanker To Augment Barge Fleet For Shipping Chemicals From Texas City Plant

Since 1946 Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation; has made increasing use of barges to ship bulk chemicals from Texas City to South Charleston, W. Va., Institute, and other points. At present, the fleet of barges numbers 22—each of which carries an average of 300,000 gallons of product.

The barges follow the inter-coastal waterways to New Orleans, up the Mississippi to the Ohio, and thence up the Kanawha to the Institute and South Charleston plants. Alternatively, they may be routed to the Whiting plant by following the Illinois River to Chicago. Barge shipments are economical but slow. A round trip from Texas City to Chicago takes about six weeks, under good weather conditions.

Tanker Saw War Duty

The Company is now about to embark on further expansion in waterborne transportation. This expansion has taken shape in very recent months. Right now, at the Bethlehem Steel Yards in Hoboken, N. J., scores of workmen are swarming busily over a war-time tanker purchased by the Company. This tanker saw plenty of good service in war time and is rugged enough to serve for many years to come.

The tanker was originally built in 1943 to carry petroleum products for the War Shipping Administration. At its launching it was christened the "Monocacy." After the war, it was acquired by the Stanolind Marine Transport Co. and renamed the "R. E. Wilson."

Alterations Are Being Made

Extensive structural alterations being made at Hoboken will finally result in a series of seven main tanks with a capacity of 300,000 gallons each. Three smaller tanks will carry 100,000 gallons each. In addition to all this, 18 so-called "wing tanks" will carry petroleum products or ballast.

When this conversion work is completed the tanker will ply a regular course with such chemical products as Methanol, Acetone, Butanol, Butyl Acetate, Ethyl Acetate, and Ethylene Glycol from the Texas City plant to a tank farm being rearranged for the service at Carteret, N. J. A new dockside farm is likewise being built at Texas City to permit complete loading of the tanker's chemical cargo in 12 hours. In chemical cargo capacity the tanker will equal the capacity of eight of the barges now in use.

Round Trip In 13 Days

Speed will be a factor, too, in serving the entire Northeastern section of the United States. The round trip between Texas City and Carteret is estimated to require only 13 days. At this rate, it is expected that the tanker will make about 22 round trips per year. In this tanker alone about 50,000,000 gallons of chemicals produced at Texas City can be carried north to various industrial centers in a single year. That much liquid would probably be enough to float the Queen Mary and the new chemical tanker, too.



Employees of Y-12 who were patients in the Oak Ridge Hospital last week included Leila C. Leslie, Laundry; George C. Henderson, Safety; Woodward K. Palmer, Manufacturing Offices; James D. Hayes, Stores; George H. Harvey, Fire Department; Pauline C. Applin, Janitors; Everette Smith, Buildings and Grounds; and Daisy F. Whitehead, Medical.

An abbreviated novel:

Chapter 1: Walking in the moonlight with an arm full.
Chapter 2: Walking the floor with both arms full.



HERE IS THE COMPANY'S RECENTLY ACQUIRED TANKER, R. E. Wilson, being remodeled to transport chemicals from Carbide's Texas City plant to Carteret, N. J.



The Plant Records Office reports Phyllis Finneran has returned to her books and records after spending a vacation in St. Paul, Minn. . . . Helen Brown and Helen Burkhalter went up to Johnson City for the New Year week end.

Janet Googin, of the Health Physics and Hygiene Department, and her husband, Johnnie Googin, of the Chemical Department, traveled to Nashville for the New Year holidays . . . The department welcomes to its membership Betty Stevens, from Virginia.

Remember Mabel Thompson McFall, who used to work in the Insurance Office of the Employee Relations Department? Well, she musta become homesick on New Year eve, because she telephoned by long distance all the way down from Hampton Va., where she now is residing, to wish old Y-12 friends and others in Oak Ridge the best wishes of the season.

V. C. Nance, of the Guard Department, is vacationing in Lansing, Tenn. . . . Carl Cogdill is doing likewise in Oak Ridge . . . Otis Rackley is back in the Badge and Pass Office after spending a vacation at his home in Dalton, Ga., with a trip up to Chattanooga.

J. M. Kennedy, of Electrical Maintenance, and his wife, Mozelle Kennedy, of Employee Relations, vacationed in Wichita Falls, Tex. . . . The department extends get well wishes to C. J. Green and W. C. Laughlin, both of whom are on the sick list.

Chemical Research reports W.M. Leaders is back from a two-week vacation spent in New Mexico and Texas with a trip south of the border to old Mexico . . . Ray Williams also is back after a vacation spent in Cosby, Tenn.

The Chemical lads around the plant are pondering over that funny in the current edition of The Branched Chain—as follows:

Ed: "Gosh, what a skinny cat!"
Ned: "Yes, and she's got acetylene kittens, too!"

All right—take your time.

One of Y-12's most enjoyable New Year parties was given by Boyd Weaver, Isotope Research and Production, and Mrs. Weaver at their home January 2. Guests included L. O. Gilpatrick and Mrs. Gilpatrick, Fred Kappellmann, the Kenneth Allens, the Stanley Fairbournes, the Charles Harrison, W. C. Davis and Mrs. Davis and Frank Scheitlin and Mrs. Scheitlin . . . Oliver Yonts and Mrs. Yonts went all the way to Memphis for New Year.

Evelyn "Fiz" Tucker took her winning ways from the Cafeteria down to Prattsville, Ala., for the holidays.

The Stores Department extends get well wishes to J. D. McGuffin, who is ailing.

Joe Evans, of the Tool Department, is vacationing but kept the destination a dark secret.

Hazel Tompkins is welcomed back to the Manufacturing Offices Division after a recent illness.

Uranium Control and Computing states Madeline Franklin spent

New Year in Atlanta . . . W. E. Belvin in Chattanooga . . . Department members with out-of-town guests included Bertha Crowder with friends from Kentucky and Nancy Garrison with guests from Nashville (Vanderbilt University, in fact.)

Assay Laboratory news is rather sombre this week. The Lab extends deepest sympathy to C. R. Fultz over the death of his sister-in-law; T. I. Kniseley over the death of her uncle and H. R. Gwinn over the death of his father-in-law . . . Mary Katherine Householder is on the sick list with the folks hoping she will return soon. . . . Helen Hicks is back after an extended illness.

Some sports fans now are wondering what will happen when the Corn Bowl champs and the Sugar bowl champs meet in basketball (Tennessee and Kentucky, as if you didn't know.) They wisely point out with the voice of experience that powerful happening occur when corn and sugar are mixed—under certain conditions, of course. With that thought in mind—s'long for this time.

Chicago Is Praised For Defense Study

The Chicago Sun-Times recently praised the city of Chicago for its wisdom in conferring with atomic scientists on ways and means to protect the city against atomic attack. However, the newspaper pointed out, it is just as important that residents of Chicago address themselves to the problem of atomic control as well as defense.

Story By Former Y-12 Bulletin Staffer Is Made Into Movie

A lot of you old-timers in Y-12 remember Jean Meredith Stevens, former associate editor of The Y-12 Bulletin, and her husband, Hugh D. Stevens, also a former Y-12 employee. They left here back in 1946 and now are living as country squires in Hume, Va.

Jean Stevens wrote many interesting features for The Y-12 Bulletin while on the staff and has continued her writing since moving to Virginia. One of her stories has recently been made into a movie short by RKO Pathe in the company's series, "This Is America."

The story had its birth summer before last when the Stevens took as a guest on their Virginia farm a New York boy sponsored by the New York Herald Tribune Fresh Air Fund. His name was Danny. To the delight of all parties Danny had the time of his life—a New York lad with no knowledge of country life visiting a farm in the South.

After Danny had left the Stevens' farm and returned to New

Perfect Attendance Reported By Guards

(Continued From Page 1)

of its personnel absent. The Analytical Laboratory rose from eighth place held the preceding week.

Seven More Are Perfect

Only seven departments in the Minor League of departments with 15-49 employees scheduled turned in perfect attendance marks for the preceding week.

Of the seven listed, there were four repeaters. They were Maintenance Utilities, Superintendents, Employee Relations and Transportation. They were joined in the first-place tie by the Chemical Department, Steam Plant and Uranium Control and Computing. The latter three departments rose from second, fourth and seventh places held the preceding week.

Second place in the Minor League went to the Janitors, with an absentee mark of .7 per cent. Next was the Fire Department with .9 per cent of its personnel absent. Plant Record Increases

The plant absentee record as a whole for Y-12 rose from the even two per cent reported for the week ending December 25 to 2.5 per cent for the week ending January 1, an increase of .5 per cent. The record, by departments, follows:

MAJOR LEAGUE				
More than 50 Employees Scheduled				
Dept.	Percentage Absent	1-150	151-250	251-499
2091	0.0	1	2	
2077	0.29	2	1	
2282	0.32	3	8	
2320	0.6	4	9	
2300	1.7	5	3	
2616	1.9	6	6	
2015	2.0	7	4	
2093	2.2	8	5	
2360	4.2	9	12	
2014	5.5	10	11	
2142	8.1	11	7	
2283	11.6	12	10	

Group absentee percentage was 2.7 per cent, .5 per cent higher than the preceding week.

MINOR LEAGUE				
15-49 Employees Scheduled				
Dept.	Percentage Absent	1-50	51-100	101-250
2005	0.0	1	1	
2206	0.0	1	1	
2109	0.0	1	1	
2008	0.0	1	1	
2619	0.0	1	2	
2743	0.0	1	4	
2739	0.0	1	7	
2001	0.7	2	1	
2092	0.9	3	1	
2107	1.1	4	1	
2002	1.3	5	1	
2143	1.56	6	1	
2060	1.56	6	1	
2140	3.1	7	3	
2270	3.3	8	5	
2009	6.7	9	6	
2096	8.33	10	1	
2090	8.33	10	6	
2133	13.7	11	8	

Group absentee percentage was 2.1 per cent, .3 per cent higher than the preceding week.

The plant average for the week ending January 1 was 2.5 per cent, .5 per cent higher than the preceding week.

When I have one foot in the grave I will tell the truth about women. I shall tell it, jump into my coffin, pull the lid over me and say, "Do what you like now."

York—he wrote a letter of thanks to his hosts. In reply—they wrote to Danny:

"Dear Danny: It was so nice to get your letter and learn how vividly you remember the time we had this summer. We'll always remember it. You may be too young to appreciate the wonderful experience you provided for us. . . . You see, we wondered how it would turn out when we told the Fresh Air Fund we'd accept one of its boys for a vacation on our farm—boys struggling to grow up with too many odds stacked against them."

Picture Potentialities Realized
That, of course, is only part of the letter that Jean put into narrative form. It was published in The New York Herald Tribune and reprinted in Coronet Magazine. It was only a matter of time until the RKO Pathe script department saw the potentialities of the story and obtained it for their "This Is America" series, with full credit given Mrs. Stevens for her original story on which the entire movie is based.



6-1062
THIS NIFTY-LOOKING COLLECTION OF LASSIES COMPOSE the squad of the Y-12 Robins, the feminine varsity basketball representatives of the plant. From left are Hazel Sutton, Peggy

6-1063
Dickens, Virginia Bowers, Shirley Brown, Helen Brown, Helen Burkhalter, Lillian Hamlett, Judy Butler, Jerry Kropowski, Hazel Oaks and Frances Boyd.

Robins, R-A To Clash Friday; Both Varsity Schedules Are Revised

The only remaining game of this week on the Y-12 varsity basketball schedule is a clash Friday night between the Robins and the defending champions from Roane-Anderson in the women's division of the Oak Ridge City League in which the Y-12 representatives will put on full steam ahead in an effort to hand the last season titlists a trimming. The game is scheduled for 6:45 o'clock in the Oak Ridge High School gymnasium and undoubtedly will draw a large audience as the rivalry between the contestants goes back a considerable distance. The Robins-R-A clash is the first game of a triple-header set for the night.

Schedule Is Revised

The league schedule has been revised somewhat for the future because of some unavoidable postponements, so here are the games scheduled for next week by both the Robins and Cardinals.

Tuesday, January 17-8 p.m., Cardinals vs Oak Ridge National Laboratory, Jefferson.

Wednesday, January 18-7:15 p.m., Robins vs Oak Ridge National Laboratory, High School.

Friday, January 20-9:15 p.m., Cardinals vs Southern Bell, Jefferson.

Last week the two Y-12 varsity cage outfits displayed some of their best form of the year when they took a twin-bill from Clinton. The Cardinals won by a 57 to 30 count while the Robins came out on top by 45 to 14.

Claxton, Oliver Top Scorers

Claxton and Oliver led the Cardinals to victory over Clinton, scoring 12 and 18 points respectively. Hopper kicked in with 10 to help the cause and the entire team played splendidly. The first half was reasonably close with Y-12 holding a 21 to 17 lead at intermission but after the rest period the Cards came back to sweep their foes off the court.

In the women's game it also was a case of too much power on the part of the Robins. Carpenter and Helen Brown led Y-12 scorers with 13 and 12 points and every player that got on the floor accounted for some of the points tallied. After rolling up a 27 to 5 half-time score the Robins just took their time.

Key Players Are Absent

Absence of key players caused the Cardinals to be forced to settle for an even break for the week as the Fairchild outfit bumped them for a 44 to 30 loss later in the week. Only six players were available for this contest in which Hopper led the scorers with 10, followed by Oliver with eight, Oliphant six, Robertson three, Howard two, and Shoemaker one. As it was the Cardinals kept within shooting distance of the NEPA five through the first three quarters, even holding a 12 to 10 first quarter lead but falling behind by 21 to 17 at the half. Fairchild held a 32 to 26 margin at the three-quarter pole and went on to mop up the tiring

SPORTS NEWS

Birds, Jays Are Tied For Second In Loop; Hope To Fly Thursday

Varsity Cagers Going Traveling To Athens, Morristown This Week

The Y-12 varsity cagers, both men and women, are scheduled for journeys to foreign hardwood on the next two successive Saturday nights with home engagements set with the same teams on the following two week ends.

The safaris to outside territory 14, when the Cardinals and Robins will trek down to Athens, Tenn., for clashes with strong teams of that community. Then on the following Saturday, January 28, the basketballers again will be out of the city with games scheduled against formidable Morristown teams.

Home Dates Are Given

Returning to be hosts to invading teams the Cards and Robins will clash with Johnson City teams on the night of January 28 and will entertain Morristown February 4. The return date for invasion of the Athenians has not yet been determined.

The two local double-headers will be played at the new gymnasium of the Jefferson Junior High school beginning at 7:30 o'clock. Admission is free.

Fans Urged To Turn Out

Both Y-12 varsity teams have been making good showings in Oak Ridge competition and richly deserve support of fans in their scraps against outside competition. Any supporters of the teams intending to make the trips are asked to communicate with the Recreation Office, North Portal, telephone 7-8252, so that plans can be made for a motorcade if sufficient fans wish to go.

On a trip to Johnson City December 31 the Robins dropped a close one to the home club, being nosed out by a 35 to 33 score.

Y-12ers in the last period.

Evidence that both Y-12 teams are giving a good account of themselves in league play is seen in the standings as of games played through last Friday. The Robins are in second place in the women's division and the Cardinals in fourth place among the men. Incidentally, the Cards had played more games than any other quintet through Friday.

League standing follows:

Men's Division				
Team	W	L	Team	W L
Trico	8	1	S. Bell	3 6
K-25	5	1	Clinton	3 6
Fairchild	5	4	ORNL	1 7
Y-12	5	5		
Women's Division				
Team	W	L	Team	W L
Roane-A'son	5	0	K-25	1 5
Y-12	4	2	Clinton	0 4
ORNL	3	2		

MATERNAL DEATHS DROP

The American Medical Association has reported in Chicago that the maternal mortality for the country dropped in 1948 from 1947. Oregon is said to have the best record with only .4 deaths per thousand births.

Noe Tops Individual Scorers In B Loop

Carroll Noe monopolized all individual scoring honors in the B League of plant bowlers last Thursday night but his teammates on the Cubs could not help out very much and the Bruins dropped three to the upsurging Tigers. The Bumpers maintained their loop lead by repulsing a threat from the Wolves and managing to divide four points.

Scores 211 Scratch Game

Noe banged out a 211 scratch single game and went on to topple 550 pins for top scratch series. Using his handicap to good advantage he amassed a 247 and 658 to be top man in all brackets.

In other loop games the One-91 keglers rose up to smite the All Stars for four points for the only whitewash victory of the night. The Comets strengthened their second place standing by toppling Maintenance for three and the Rippers sunk the Bums into the cellar with another three-point margin. The Mules trotted up to a third place tie by upsetting the Head Pins for three.

Rippers Get Good Scores

The Rippers posted the best scratch single scores of the night with an 809 single and 2,367 series. The Comets and Bumpers each posted a 986 handicap single game and the Tigers surged out with a 2,764 handicap series.

League standing follows:

Team	W	L	Team	W L
Bumpers	17	7	Head Pins	11 13
Comets	16	8	Rippers	10 14
Mules	15	9	Maintenance	9 15
Wolves	15	9	One-91	9 15
Cubs	13	11	Tigers	9 15
All Stars	12	12	Bums	8 16

Britain, Canada Pledge Uranium

Recent newspaper stories have quoted British and Canadian officials as saying that Britain and Canada have reassured the United States that shipments of raw uranium will be continued to this country. Among those quoted was C. D. Howe, Canadian trade minister.

**More Sport News
On Page Four**

Pick Ups Forge Ahead In Final Half Of League

The Pick Ups, which finished in fifth place in the first half of the season, got away to a winging start in the second half of the schedule last week in the W League by trouncing the Kemps for three points and thereby sharing first place with the Dodgers, who turned the same trick against the Spinners. The Rattlers and Woes both won two out of three game victories from the Hi Balls and Spinners respectively in the second round openers.

The first half of the race ended in a two-way tie for first place between the Controllers and Kemps with 29 wins and 13 losses each. The Dodgers were just a shade back with 27 triumphs and 15 defeats.

Playoff To Be Held

A playoff between the Controllers and Kemps for the first half championship will be held in the near future, the exact date not having been set up to press time of The Y-12 Bulletin.

Thurman, a substitute bowler for the Dodgers, rolled the best scratch single game of the night with a 165, closely followed by Ward, of the Woes, with 164. Ward went on to take handicap single game honors with 216. Sherman, of the Controllers, posted the best scratch series with 444 and Frazier the top handicap series with 614.

Team Scoring Divided

Team scoring honors were divided four ways. The Controllers posted a 680 scratch single game but the Rattlers got the best handicap game of 945. The Dodgers banged out a 1,956 scratch series but were topped in the handicap bracket by the Pick Ups with 2,763.

During the night's bowling, Mabelle Rankin picked up a three-seventeen split to enliven the proceedings.

League standing follows:

Team	W	L	Team	W L
Pick Ups	3	0	Controllers	1 2
Dodgers	3	0	Hi Balls	1 2
Rattlers	2	1	Spinners	0 3
Woes	2	1	Kemps	0 3

Orphans Again Lead C Bowling Loop Race

After winning top honors in the first half of the C League race the Orphans continued their winning ways in the loop's first encounters of the second half when they burned out the Short Circuits for four points. The Short Circuits had made a spurt at the end of the first half of the season and although losing to the league leaders, posted some respectable scores and should be a factor in the second half race.

Hornets, Thin Pins Tied

The Orphans were all alone at the top of the standings as the Hornets and Thin Pins were tied for second place. These teams took three points and lost one to the Hurricanes and Moles, respectively. The Guards and Hooks divided four points in their clash.

In forging the front the Orphans hogged team scoring honors. They rolled the best scratch single game of 782, best scratch series of 2,294 and the best handicap series of 2,843. The Guards managed to get into the act by topping the rest in handicap single games with 973.

Skinner's Single Games Best

Jim Skinner, of the Hornets, had the best single game scores of the night with a 197 scratch and 249 handicap. Carl Frazier, a teammate, posted a 635 handicap series for the best in that bracket after Elmore Koons, of the Orphans, had the best 502 scratch series.

League standing follows:

Team	W	L	Team	W L
Orphans	4	0	Hooks	2 2
Hornets	3	1	Moles	1 3
Thin Pins	3	1	Hurricanes	1 3
Guards	2	2	Short Circuits	0 4

Baby sitter: One who accepts hush money.

Success: Starting at the bottom and waking up.

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Three Y-12ers Do Most Of Work In Building Their Own Homes; Help Each Other In Tasks

(Continued From Page 1)

concrete floors and finished the basement."

There were a lot of other details to which Rice gave personal attention as the handsome seven-room home took shape. The residence has two porches and a garage and is of the ranch type of design. The exterior finish is of a new type of block that gives the appearance of weatherboarding.

Being an architectural draftsman Rice put his skill into practice and drew his own plans from a basic plan of frame house built by the Tennessee Valley Authority. However, because of the concrete block construction, many changes had to be made in the original plans. The house itself is 78 by 40 feet.

First To Occupy New Home

Duff began work on his home in November, 1948, but was the first to obtain occupancy, moving in last spring. The dimensions of his home are 28 by 47 feet with an "El" extension on one side. It also has seven rooms and a full size basement.

Like Rice, Duff contracted for construction of the shell of the house that included laying concrete blocks and placing of the roof. Then he applied himself to completion of the project—finishing the floors, installing inside trim and building cabinets through out, among other tasks.

The exterior is finished with an inch of stucco over the concrete block and with the insulation the walls of the home are 11 1/2 inches thick. Duff installed aluminum window fittings in his home, plans for which he drew himself, in collaboration with his wife. There also is a 19 year-old son in the family.

"Went On From There"

"I just drew a floor plan that we liked and went on from there," Duff declared.

The third member of the group, Carter, followed Duff to the neighborhood and received a lot of help from Duff in working out details of planning and construction of his home.

"He sure helped out a lot," Carter said in referring to Duff. "I managed to profit by any mistakes he happened to make and had to correct, passing the information along to me."

Carter bought 25 acres of land and began work last August, moving into the home last November 24. The Carter residence is a five-room affair with a concrete block exterior that will be waterproofed and finished. The house is 38 by 36 feet in size with a breezeway and Carter plans to build a garage in the near future.

Cooperate As Neighbors

Like the other two Y-12ers, Carter rolled up his sleeves and did most of the work in the house—including finishing floors and installing his own plumbing. Duff aided materially in wiring the house.

Carter reports the plans for the house were adapted from those of three that he and Mrs. Carter have seen in a magazine.

All of the three houses are equipped with the most modern electrical and plumbing equipment and are heated by electricity. The electrical heating is different in all three homes, however. Duff has an electric furnace designed by E. R. Watkins, a Maintenance Shops employee in Y-12. Carter uses radiant heat in his home while Rice has portable space heaters.

Considerable Money Is Saved

The three were unanimous in declaring that by doing so much work on their homes themselves that substantial amounts of money were saved in each instance.

"Sure, it was hard work—so what—we know we have good homes for our families and know what went into them and how they were built," was the consensus of the trio.

All three said that they selected the sites for their homes because of the central location. In addition

Friday The 13th Unlucky? Naw, Its The Bunk

Don't look now—but you probably have, you superstitious folks—but there are not one, but two, Friday The 13ths, upcoming this year. One comes on Friday of this week—and the calendar, as if to give those worrying about what happen to them on that date, gives plenty of time for a rest up until the second Friday in October when it again becomes Friday The 13th.

So what?

It Could Happen Anytime

If the originator of the idea that persons exposing themselves to the world on Friday The 13th, or any Friday, had cracked a mirror and it bopped him on the noggin—why it could have happened on Thursday The 12th or Saturday The 14th just the same. His head would have been bopped just the same and it would not have meant that seven years bad luck necessarily would follow the event.

The same line of reasoning may be followed in the case of black cats—which are shunned by the superstitious as if they were minions of the black plague. Black cats have the same right of way as other felines and—as the story books have it—have just as much right to look at a king. Just why, then, is the fact that an ebony kitty crosses one's path to be considered an ill omen. Why?

Prepare To Stay All Year

So, if anybody is just going to stand in bed on Friday The 13th just because it is Friday The 13th as a matter of protection against misfortune and personal safety—then they might as well prepare to spend the rest of the year in the same position—its the bunk, that jinxing angle.

As for good luck—right here in Y-12 folks are enjoying one of the finest safety records in any industrial plant in the nation and Friday The 13th is just another Friday—and pay day to boot for most.

What's unlucky about that?

Tree Waste Converted Into Economical Fuel

American invention has solved one problem for conservation of natural resources, the National Patent Council reports. A new process, believed to be perfected by Walter W. Letts, consists of solidifying the tree wastage into a practical fuel. Before its introduction almost three-fourths of each tree cut was not used, according to Letts.

To Compete With Charcoal

The fuel is compressed into cylinders 1 1/2 inches in diameter and two inches long, weighing slightly less than the same volume of coal. It is clean and easy to handle, burns with a blue-white flame, gives off almost no smoke when properly fired and leaves less than three-tenths of one per cent ash. It can be used in place of wood, coal, coke or charcoal, but is expected to compete particularly with charcoal.

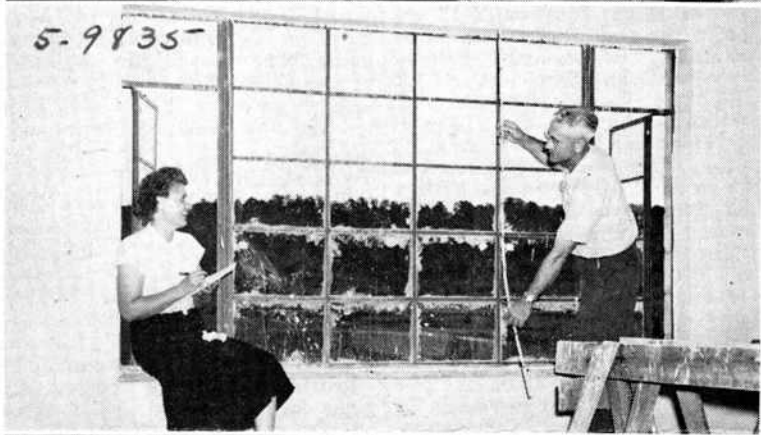
Letts worked eight years to perfect machinery to produce the new fuel which he calls "burnets." Others have tried to compress waste wood, but Letts' process is apparently the first practical one.

No Binding Agent Is Used

His process consists of first dehydrating the material. It then flows into tubes where it is compressed hydraulically under pressure of 12 tons to one square inch. No glue or other binding agent is used.

The process is fast enough for high-speed production and is virtually automatic. Patent has been applied for. The machine will sell for from \$10,000 to \$20,000 and is especially suitable for smaller lumber mills.

We hear there's no such thing as kissing a girl unexpectedly; the nearest you can come is to kiss her sooner than she thought you would.



Y-12 Photos By Vince Moore

HERE ARE SOME MORE PICTURES OF THE HOME-building Y-12ers. At top the women folks hold a conference at the Rice home as Mrs. H. H. Rice, mother of the Y-12 man, shows the wives a trick or so with a window casing. From left are Mrs. Duff, Mrs. Carter and Mrs. Rice. The center picture shows Carter measuring for curtains as Mrs. Carter takes notes. At bottom the Duffs, left, are hosts to the Carters as the latter admire the completed Duff home.

Bride Gets Bird—Almost—Fowl Play In Refrigerator Revealed

A brand-new Y-12 bride got the bird—almost—in a recent series of events that could match the efforts of the best funny movie-makers; if they tried real hard.

Here's how it happened.

Katherine Jenkins Hoskins, the new bride, was very proud of the first lemon meringue pie of her brief married life. She carefully prepared it according to recipe—neatly arranged the creamy white covering and placed it in the refrigerator to cool. That was on a Sunday afternoon.

Quail Placed In Ice Box

However, on the preceding Friday night the Hoskins had placed in the same refrigerator three fine, fat quail. They were in a hurry and did not take time to dress the birds, but placed them in a paper sack and turned the refrigerator down a couple of notches to insure plenty of cold to keep them for future consumption.

"Wha' happen" then is a matter of conjecture but when the Hoskins went to their ice box to remove the pie for sampling—the pie was a mess and on the edge of the pie plate with a leer in its eye was one of the quail—previously believed to be deceased. The chill had revived the apparently only slightly-stunned bird and he was making the best of what he could find in the way of food—which was Katherine's pie.

Foul Play Ended—Permanently

Fortunately it was her husband—and not Katherine—who made the amazing discovery and the fowl play soon was ended—permanently—for the presumptuous quail.

League standing follows:

Team	W	L	Team	W	L
Strikers	18	10	Splinters	13	15
Termites	18	10	Old Men	13	15
Materializers	17	11	Isotopes	11	17
Overheads	16	12	Angstroms	6	22

Folk Dance Club Resumes Classes

The Folk Dance Club of Oak Ridge has resumed its sessions for advanced members and beginners following the New Year holiday, according to Mat Wisnowski, of Y-12, director of the organization. The club holds weekly meetings at 8:30 o'clock every Friday in the East Lounge of the Ridge Recreation Hall while the beginners meet at 8 o'clock every Wednesday night at the Elm Grove School.

"Nature seems determined to make us work."

"Even the less hair we have to comb the more face we have to wash."